

270.111 Freshman Seminar: Sea Level Rise

Spring 2008

Freshman Seminar on Sea Level Rise

Discussion of the evidence for, and causes of, sea level change through time. We will examine both historical (10-100 years) and geological (thousands to millions of years) changes in sea level, as well as predicted future trends and their potential impact on society. Discussion-oriented interactive format intended for freshmen interested in environmental issues.

Instructor:

Dr. Clint Conrad

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class web site:

Office Hours: By Appointment (set up via e-mail)

phone: 410-516-3922

<http://www.jhu.edu/~cconrad1/classes/sealev.html>

Grading:

50% Assignments

Short assignments every week or two. These will involve readings from the scientific literature and short group projects. These assignments will form the basis for our discussion.

50% Participation

Attendance, asking questions, making comments, discussion participation

Syllabus:

Jan. 28	Introduction
Feb. 6	Measuring Sea Level I
Feb. 13	Measuring Sea Level II
Feb. 20	Measuring Sea Level III
Feb. 27	Causes of Sea Level Rise I
Mar. 5	Causes of Sea Level Rise II
Mar. 12	Causes of Sea Level Rise III
Mar. 19	Spring Break
Mar. 26	Past Sea Level Change I
Apr. 2	Past Sea Level Change II
Apr. 9	Past Sea Level Change III
Apr. 16	Future Sea Level Rise I
Apr. 23	Future Sea Level Rise II
Apr. 30	Impact on Society

Resources:

Intergovernmental Panel on Climate Change:

<http://www.ipcc.ch>

National Oceanographic and Atmospheric Administration:

<http://tidesandcurrents.noaa.gov>

University of Colorado Sea Level Change Center:

<http://sealevel.colorado.edu>

Sea Level Rise Flood Maps (Uses Google Maps)

<http://flood.firetree.net>